

**METHOD AND SYSTEM FOR ESTABLISHING SECURE DATA  
TRANSMISSION IN A DATA COMMUNICATIONS NETWORK  
NOTABLY USING AN OPTICAL MEDIA KEY ENCRYPTED  
ENVIRONMENT (OMKEE)**

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**ABSTRACT**

A method of establishing secure data transmission in a communications network between a client (3) and a remote network entity (4), the method comprising the steps of:

(a) encoding a security token (5) with encrypted token and user identification information (12, 13),

(b) verifying at the client (3) the authenticity of the token identification information (17),

15 (c) upon verification, transmitting the user identification information (13) to the remote network entity,

(d) verifying at the remote network entity the authenticity of the user identification information (13), and

20 (e) verifying at the remote network entity the authorisation (8) of the user to access one or more applications.

**FIGURE 1**

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